

Abstract

Production of human procollagen or collagen in cells which ordinarily do not produce these molecules is effected by constructing expression systems compatible
5 with mammary glands of non-human mammals. For example, expression systems can be microinjected into fertilized oocytes and reimplanted in foster mothers and carried to term in order to obtain transgenic non-human mammals capable of producing milk containing recombinant human
10 procollagen or collagen. Human procollagen or collagen produced in this manner can be made of a single collagen type uncontaminated by other human or non-human collagens.

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